

MEETING CALL IN NUMBER: (b) (6)

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WEBEX MEETING INFO: (b) (6)

Attendees

Contractor/Sub-Contractor Staff	Phone	Site	N/P	Government Staff	Phone	Site	N/P
Eric Reitter			X	Rod Zion (USACE)	X		
Spencer Archer	X			Karl Kunas (USACE)			X
Richard Perry	X	X		Greg Zoeller (USACE)	X	X	
Marc Homme	X	X		Evan Lauterbach (USACE)	X		
Khalfani Lee	X	X		Kim Prestbo (USEPA)	X		
Jose Rosado	X			Ed Moreen (USEPA)	X		
Steve Criscenzo			X	Don Carpenter (DEQ)	X		
				Jim Stefanoff (Jacobs)	X		
				Karen Dawson (Jacobs)	X		
				Ken Parsons (USACE)			X

1) Review Meeting Minutes from 6/4/2018

- a. No comments.

2) On-Site Status Review & Look-Ahead

- a. Design Package 2 / Temporary Treatment System

- i. Awarded to AEC.
- ii. Readiness meeting being conducted today.
- iii. Receiving piping this week.

- b. Design Package 7 Preloading

- i. Preload Area B (north of aeration basin).

- 1. Completed Preload Area B on 5/23/18.
- 2. Storm drain system in progress. Grout QC issue to be resolved.
- 3. The settlement plates are being monitored weekly. No settlement noted to date. We will evaluate settlement data and schedule for removal of preload material.

- ii. Preload Area C (filter building)

- 1. Will begin as demolition allows.

- c. Design Package 5 Sludge Impoundment Area (SIA)

- i. Summary of activities completed last week:

- 1. Completed removal of existing liner.
- 2. Working on liner fusion procedure with DoR.
- 3. Monitoring well BH-SF-E-0316-U will be protected and extended.

- a. Wood attempted to remove QED pump to verify existing condition of well. Pump could not be removed. Well appears bent from 43 to 50 ft bgs.

- b. RFI will be submitted to request direction from Government on how to proceed with this well.

- ii. Activities planned for this week:

- 1. Continue mass cut fill operations.

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d. Design Package 6 Soil Bentonite Cutoff Wall (SBCW)

i. Summary of items completed last week:

1. Completed access road construction.
2. Completed construction of slurry pond.
3. Started billboard demo, four signs have been brought down, concrete sized to 2'-minus, signs still to be de-constructed. "Soft" portions of signage (vinyl sign fabric, plywood etc.) stockpiled at waste staging area.
4. Removed small trees and brush along the north side of the CIA from STA 32+00 to 74+00.
5. Began excavation of the 2' deep slot within the work pad starting at STA -0+30 to approx. 2+40 per detail on Sheet C-300.
6. Previously completed fence and post removal on south side of trail.
 - a. Notified Government of presences of benches along trail. Benches moved to staging location for temporary storage for one week to allow City of Kellogg time to determine what is to be done with the benches.

ii. Activities planned for this week:

1. Continue with billboard demolition.
2. Continue with slot excavation along SBCW alignment.
3. Receive 1st shipment of slurry engineering equipment & piping (today).
4. Receive shipments of bentonite.
5. Misc. site prep work: storage container, fuel tank, project signage.

e. Continue closely monitoring SWPPP effectiveness.

- i. Extra care is being taken to minimize track out from the site.

f. Design Package 4A CTP Site Civil and Demolition

- i. Working with AEC to develop the demolition plan.
- ii. Demolition notification was submitted to USEPA.

g. Other

- i. Alta was on site last week to inspect outfall location and confirmed no wetlands were present on behalf of DEQ.

2) Off-Site Status Update

- a. Wood is planning to start conformance testing of the SIA liner as it is produced per 3.3 of 33 56 19 Impermeable Liner System specification.

3) Design Status Update

a. Design Package 4 Interim (CTP Upgrades, including GWCS)

- i. 42 pending evaluations by Wood. Evaluations in progress.
- ii. 41 pending BackChecks by Government.
- iii. 80 BackChecks are Open; 411 BackChecks are Closed.
- iv. As final DP4 submittals are provided, reviewers should be able to close out BackChecks.
- v. Government provided a spreadsheet to help coordinate review from DP4 Interim to the appropriate sub-package.

b. Design Package 4A IFC (Demolition and CTP Civil) was submitted 5/23/18. Government review suspense date is 6/7/18.

- i. 6 pending evaluations by Wood; these comments are tracking items pending submittal of IFC.
 - ii. 7 pending BackChecks by Government. This package is priority.
 - iii. 49 BackChecks are Open; 57 BackChecks are Closed.
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- iv. Pending comments from DP4 Interim: 1
 - v. Decommissioning and Demolition Plan was provided as an attachment. The subcontractor demolition plan will be provided as a preconstruction submittal.
 - c. Design Package 4B Final (GWCS, Outfall Dissipater and Structural Concrete) was submitted 3/9/2018. Government review suspense date was extended to 4/6/18. 256 comments received.
 - i. 123 pending evaluations by Wood.
 - 1. 13 BackChecks require evaluations
 - 2. 110 are open pending confirmation in IFC package
 - ii. 47 pending BackChecks by Government.
 - iii. 125 BackChecks are Open; 84 BackChecks are Closed.
 - iv. Pending comments from DP4 Interim: 4
 - v. 404 Compliance Memo will be resubmitted, as a separate submittal, with the DP4B IFC drawing and the contractor Dewatering Plan in early June.
 - vi. A conference call has been scheduled for 6/6/18 at 1300 to discuss Sven Lie's open comments.
 - d. Design Package 4C Final (Structural Steel and Mechanical) was submitted 4/15/18. Isometrics, MTO and 3D model were included in this submittal.
 - i. Government review period ended 5/3/18; 159 comments received.
 - ii. 28 pending evaluations by Wood.
 - 1. 1 pending evaluations by Wood and 14 evaluations to be posted to Government BackChecks
 - iii. 80 pending BackChecks by Government.
 - iv. 16 BackChecks are Open; 52 BackChecks are Closed.
 - v. Pending comments from DP4 Interim: 64
 - vi. Wood submitted Dogwood Issued for Permit Drawings. Government provided comments to this submittal.
 - e. Design Package 4D Final (Electrical) planned submission date 6/15/18.
 - i. Pending comments from DP4 Interim: 6
 - ii. Power Factor Variation discussed with Government. Wood to revise ETAP model for winter and summer load scenarios to evaluate proposed variation further.
 - f. Design Package 4E (Clarifier Upgrades) or Other
 - i. Pending comments from DP4 Interim: 7
- 4) Other 2-Week Look-Ahead/Schedule Review
- a. Reviewed the 90-day look ahead schedule provided with the meeting agenda.
- 5) Upcoming Meetings (Preparatory, finals, etc.)
- a. Supplement Equipment Plan preparatory meeting will be scheduled for this week.
 - b. Road crossing preparatory meeting may be scheduled for this week.
 - c. Upcoming preparatory meetings to be scheduled:
 - i. Demolition – planned between 6/18-6/25
 - ii. SIA liner installation – planned between 6/18-6/25
 - iii. SBCW installation – planned 7/6/18
 - d. XRF training on new unit with manufacture planned for 6/15/18.

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- e. Commander for Seattle District will be on site on 6/22/18

6) Submittal/Submittal Register (Pending, re-submittal, upcoming)

- a. CQC Plan was submitted and approved.
- b. FAT plan to be provided in advance of Factory Accept testing planned in August 2018.
- c. 404 Compliance Memo comments from USEPA have been provided. Resubmittal planned pending DP4B IFC drawings and the Dewatering Plan.
- d. SIA preconstruction submittals are in progress.
- e. SBCW preconstruction submittals are in progress.
 - i. SBCW equipment accepted last week.
- f. SIA O&M Manual was E coded. Wood preparing responses to comments which appear to be beyond SOW requirements.
- g. Special Inspectors – SBCW qualifications included in CQC Plan. Structural concrete and steel will be provided.
- h. Thickener and Pressure Filter submittals have been provided to the Government. Wood plans to provide notification of intent to release the filters and thickener for fabrication via serial letter.
- i. Outstanding preconstruction submittals:
 - i. SBCW mix design
 - ii. Liner installer quals and QC approach are outstanding
 - iii. No Rise / No impact Certification (batch plant and excavator)
 - iv. Dewatering Plan, plan to provide as a preconstruction submittal
 - v. Demolition Plan, plan to provide as a preconstruction submittal
 - vi. Plan for managing sludge in the Lined Pond during operation of the Temporary Treatment System
 - vii. SWPPP updates
 - viii. PEMB Issued for Permit resubmittal

7) Serial Letters

- a. REA for Unforeseen Conditions has been reviewed by USACE and a response issued to Wood. Wood is evaluating options for responses.
- b. Serial letter (H-0036) for preloading to be submitted 4/26/18. Government response received (C-0038).
- c. Serial letter (H-0039) for SPA cover material submitted 6/4/18. This is a notification letter to document elevated XRF screening results of the cover material in the SPA. Government provided response today (C-0044).
- d. Serial letter (H-0040) for SIA liner submitted 5/31/18. Government response provided (C-0043).
- e. Serial letter (H-0043) for name change from Amec Foster Wheeler to Wood was submitted 6/4/18. Pending admin modification.
- f. Serial letter (H-0044) for monitoring well in SBCW alignment. Government response provided today (C-0042).

8) Modifications (Expected, Underway, Option items)

- a. Chamber of Commerce billboard RFP was received for preserving the historical billboard, includes reconnection of power. Serial letter for powering the historical billboard submitted (H-0034). Government is processing modification.
- b. SP005 for pipe materials variation – Wood has provided MTO and is preparing an estimate for the change. Wood will provide a revised proposal.
- c. SP012, Request for Proposal for pig vaults received 4/19/18. Proposal provided 5/21/18. Wood responding to Government questions.
- d. SP013, Miscellaneous Metals and Power Factor Correction Variation received 5/14/18. Proposal requested 5/28/18.
 - i. Government has some technical items to discuss on the Power Factor Correction variation. A call was held last Thursday.

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ii. Decision was made to remove PFC variation from the case.

a. SP014, Delete POL Containment Pad received 5/21/18. Proposal requested by 5/31/18. Wood provided proposal. In Government review.

2) Requests For Information

a. Wood to submit an RFI on SIA well.

3) Safety Items (Deficiencies, high risk work, clearances, etc.)

a. No outstanding safety deficiencies.

b. Safety awareness

i. Safety Awareness in the next week includes working with caution around SIA Exclusion zone and assessing the stages of decontamination practices.

ii. Onboarding and integrating the AEC team to the Bunker Hill Project.

iii. SBCW team continues to remove Billboards and Setup site facilities. Pipes and additional mechanical fittings are being delivered and safe (Load Handling) LHE provisions are being taken.

c. Continued diligence to remaining in compliance (aware) with evolving EM385 safety requirements.

d. Swaggart working on their Phase #3 work in the SIA area while removing the residual liner and continued efforts on remaining Phase #2. This means the decontamination and PPE requirements will be assessed and will evolve as needed.

e. AEC has begun to stage and mobilize onsite. Safety program evaluation and site-specific training has begun for their BHCTP onboarding and EM385 requirements.

f. Weekly group safety meetings are taking place on Tuesday mornings to ensure all contractors and team members are on the same page with site traffic, work location and general safety concerns.

g. Safety sequencing and evaluations will be made for the pending work on the Temporary Treatment Facility and Pipe Tie In work and other elements of the Supplemental Equipment Plan and the DP 2 ASI.

4) Quality Items

a. Grout deficiency to be addressed by Northwind.

b. Billboard #5 – Plan to leave toe of foundation in place. This foundation is within toe of SIA. Removal will be performed to eliminate interferences with future GWCS piping. This will be documented on the as-built drawings.

c. Materials handling procedures in progress.

d. XRF training was conducted on 6/6/18. Additional training will be provided by the manufacturer on site with the new XRF.

e. Wood has prepared a corrective action plan for the control well deficiencies. QAR and CQCSM reviewed the deficiencies.

f. No new QC issued noted by QAR.

5) Working Hours (Holiday working hours, days off, etc.)

a. 0700 to 1700 PST for construction crews; six, 10 hour days per week for SIA; four days per week for SBCW prior to full scale production.

b. 4 July will be an off day.

6) Other Follow-Up Items

a. Avista Easement – Wood provided a figure with planned routing of primary power. Draft simplified drawing provided last week. Minor updates are in QC and will be provided later today or tomorrow. Legal description around transformer will need to be revised. Additional edits to drawings in progress and should be complete this week.

b. Dan McCracken will be coordinating the semi-annual CIA and Bunker Creek inspections; schedule is TBD.

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- c. Marc Homme will be out on jury duty 6/12-6/15; Spencer will cover during his absence.
- d. Jacobs plans to remove USEPA boat on 6/18/18.
- e. Rod will be out of office 6/15-6/18 and will probably miss the call on 6/18/18.

7) O&M Update

- a. O&M continues to be routine.
 - i. pH set point 8.5; plan to reduce to 8.4 once the mine pump is returned to service.
 - ii. Lime scheduled for this week (6/13/18).
- b. KT flows currently ~1,000 gpm at this time.
 - i. Mine pumps have been in operation for the past week.
 - ii. Brian Harden contacted Gary this morning and notified him that the pump was taken off-line yesterday. No additional details were provided.
- c. Lined Pond is ~0.75 MG; lowest practical level.
- d. Discrepancies – Troubleshooting effluent flow meter.
- e. OMERs/CMRs
 - i. Lined Pond Pump #1 failed on 4/24/18. OMER #26 has been approved and work is in progress. Pump has been removed and inspected by Beckwith & Kuffel (B&K). B&K was able to remove impeller from pump shaft. Pump repairs in progress per OMER #30 which was approved by the Government. B&K planning to re-install Lined Pond Pump #1 and perform repairs on other pumps later this week.
 - ii. HMI B failure (OMER #29). Government approved OMER proposal. H2E on site today to create an image of HMI A and copy on to HMI B to provide redundancy and provide a means to back up the system should either HMI fail in the future.
 - iii. Storm drain under lime silo was found to be plugged (OMER #25). OMER is approved and work will be scheduled.

8) Payment Applications

- a. Government is processing April application and approved application for May.
- b. Wood to schedule monthly update meeting.

ACTION ITEMS

No.	Item	Responsible	Anticipated Completion Date
134	Provide preliminary FAT schedule to include generator testing	AmecFW	4/13/18
154	Address Government comments to draft Avista Easement	AmecFW	5/29/18
155			